Datasheet for ABIN7603155

anti-SLC25A19 antibody (N-Term)

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Overview

Quantity:	100 µg
Target:	SLC25A19
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC25A19 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-SLC25A19 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human SLC25A19, which shares 87.5% and 81.25% amino acid (aa) sequence identity with mouse and rat SLC25A19, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SLC25A19 Antibody Picoband® (ABIN7603155). Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	SLC25A19
Alternative Name:	SLC25A19 (SLC25A19 Products)
Background:	Synonyms: Fascin-2, Retinal fascin, FSCN2 Tissue Specificity: Localized specifically in the outer and inner segments of the photoreceptor cells in the retina. Background: Mitochondrial thiamine pyrophosphate carrier is a protein that in humans is encoded by the SLC25A19 gene. This gene encodes a mitochondrial protein that is a member of the solute carrier family. Although this protein was initially thought to be the mitochondrial deoxynucleotide carrier involved in the uptake of deoxynucleotides into the matrix of the mitochondria, further studies have demonstrated that this protein instead functions as the mitochondrial thiamine pyrophosphate carrier, which transports thiamine pyrophosphates into mitochondria. Mutations in this gene cause microcephaly, Amish type, a metabolic disease that results in severe congenital microcephaly, severe 2-ketoglutaric aciduria, and death within the first year. Multiple alternatively spliced variants, encoding the same protein, have been identified for this gene.
Molecular Weight:	41 kDa
Gene ID:	60386

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human 1. Dolce, V., Fiermonte, G., Runswick, M. J., Palmieri, F., Walker, J. E. The human mitochondrial deoxynucleotide carrier and its role in the toxicity of nucleoside antivirals. Proc. Nat. Acad. Sci. 98: 2284-2288, 2001. 2. Iacobazzi, V., Ventura, M., Fiermonte, G., Prezioso, G., Rocchi, M., Palmieri, F. Genomic organization and mapping of the gene (SLC25A19) encoding the human mitochondrial deoxynucleotide carrier (DNC). Cytogenet. Cell Genet. 93: 40-42, 2001. 3. Lindhurst, M. J., Fiermonte, G., Song, S., Struys, E., De Leonardis, F., Schwarzberg, P. L., Chen, A., Castegna, A., Verhoeven, N., Mathews, C. K., Palmieri, F., Biesecker, L. G. Knockout of Slc25a19 causes mitochondrial thiamine pyrophosphate depletion, embryonic lethality, CNS malformations, and anemia. Proc. Nat. Acad. Sci. 103: 15927-15932, 2006.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.